



Title: RecA MUTANTS
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Eggler
Application No.:
Docket Number: 960296.99501

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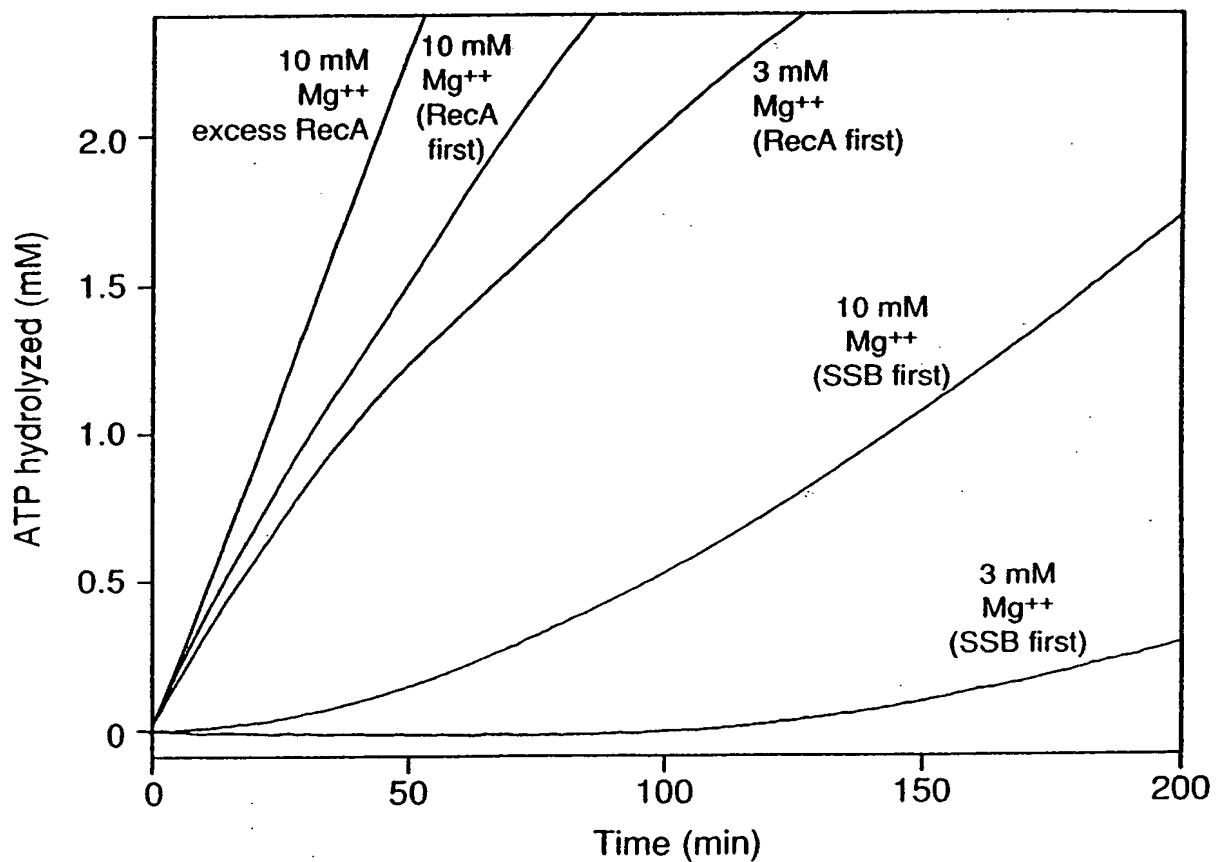


FIG 1

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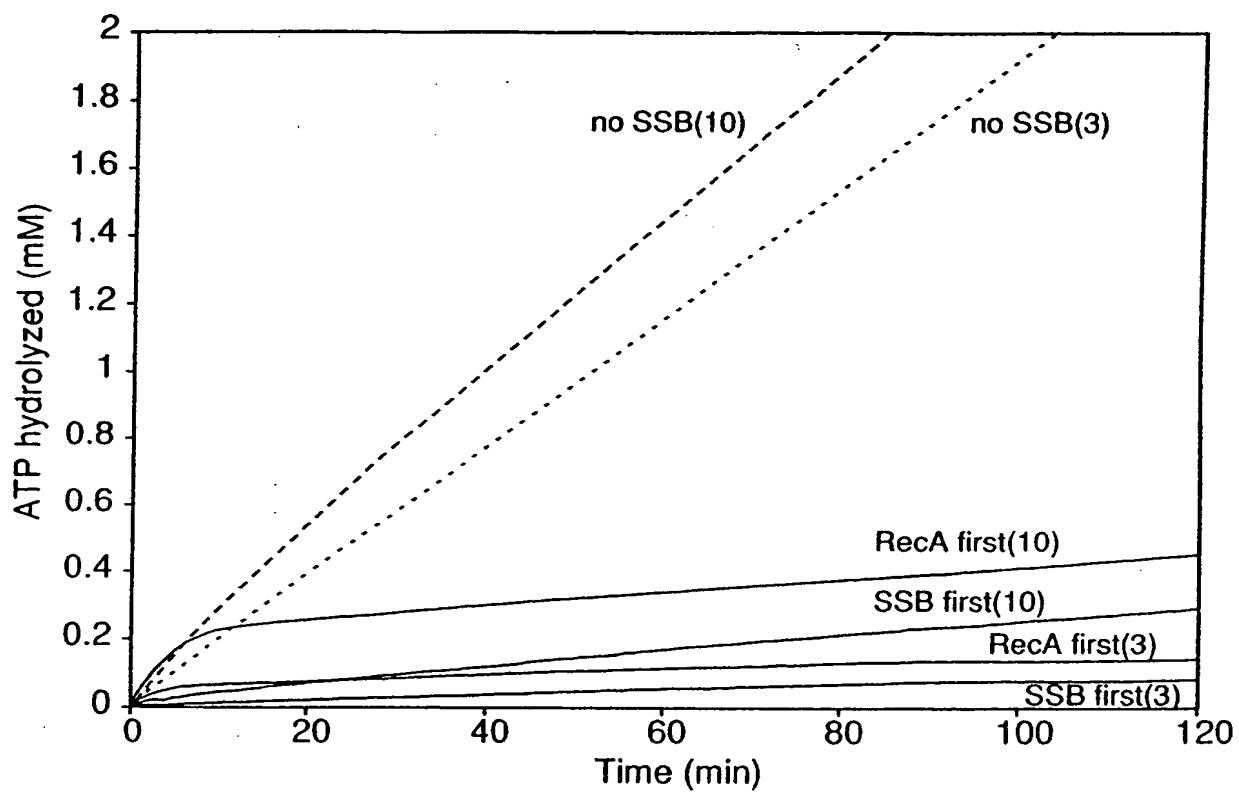


FIG 2

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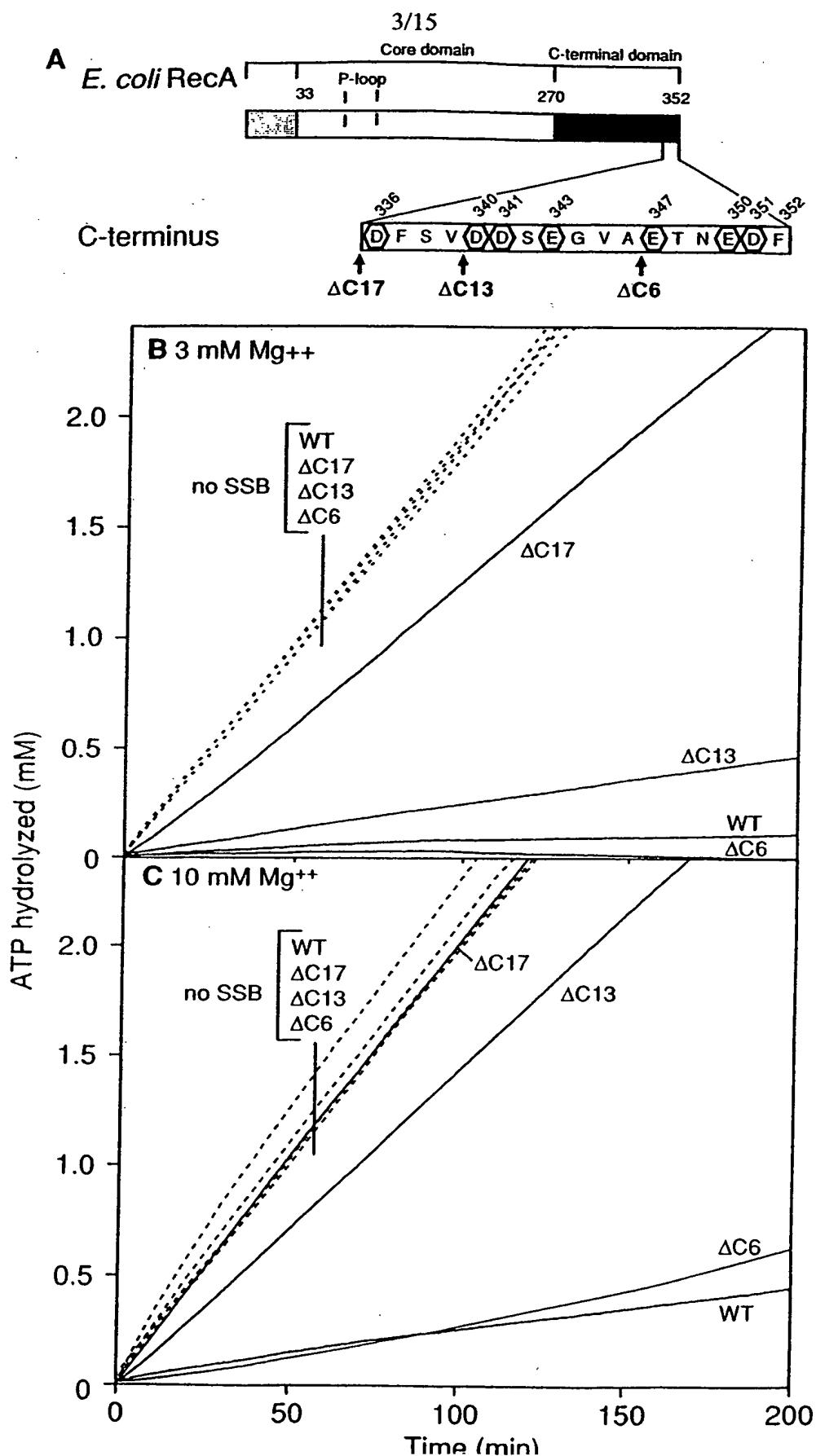


FIG 3

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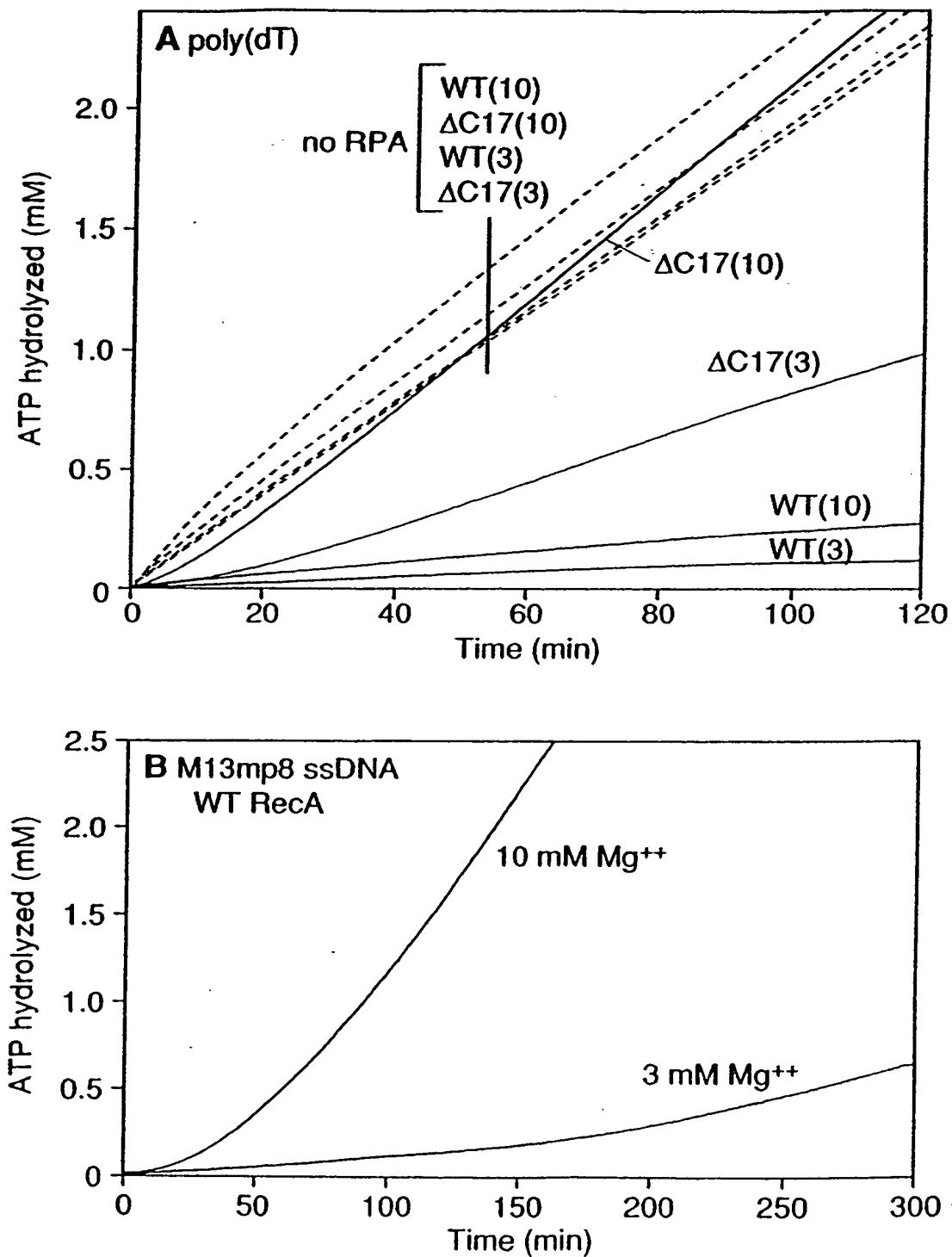


FIG 4

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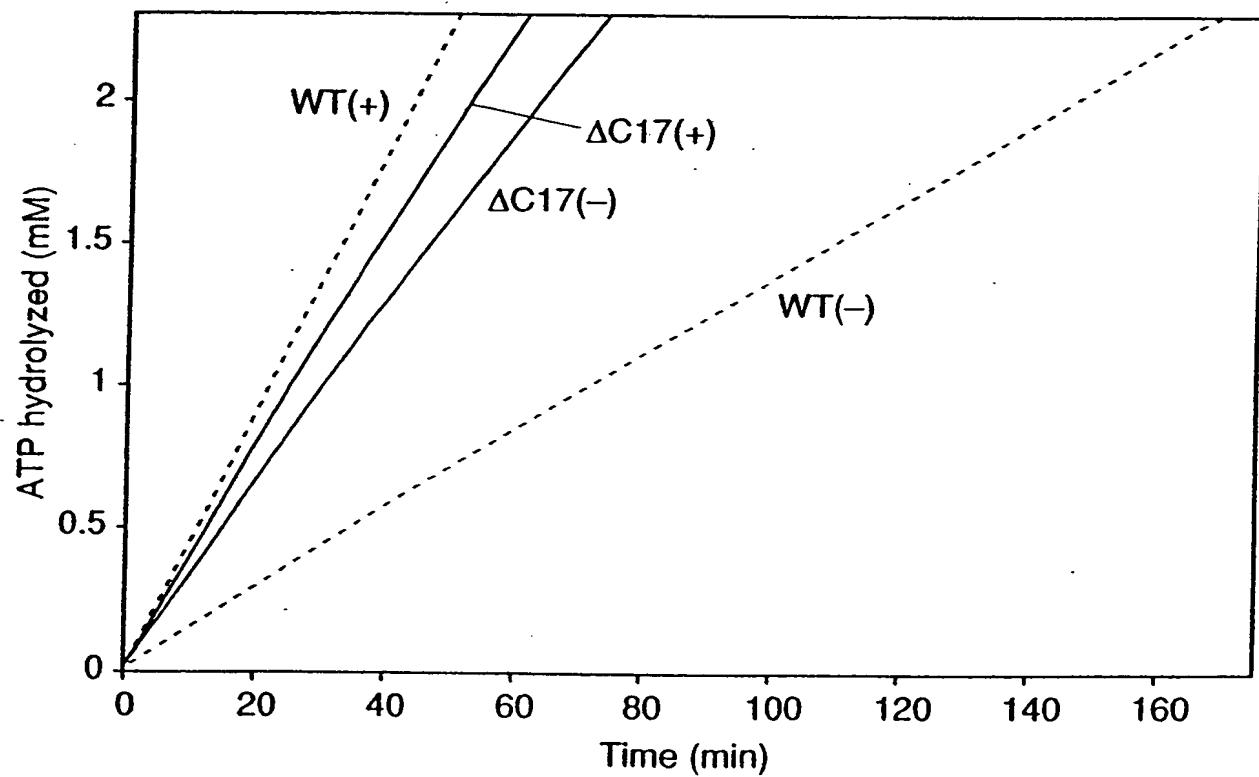


FIG 5

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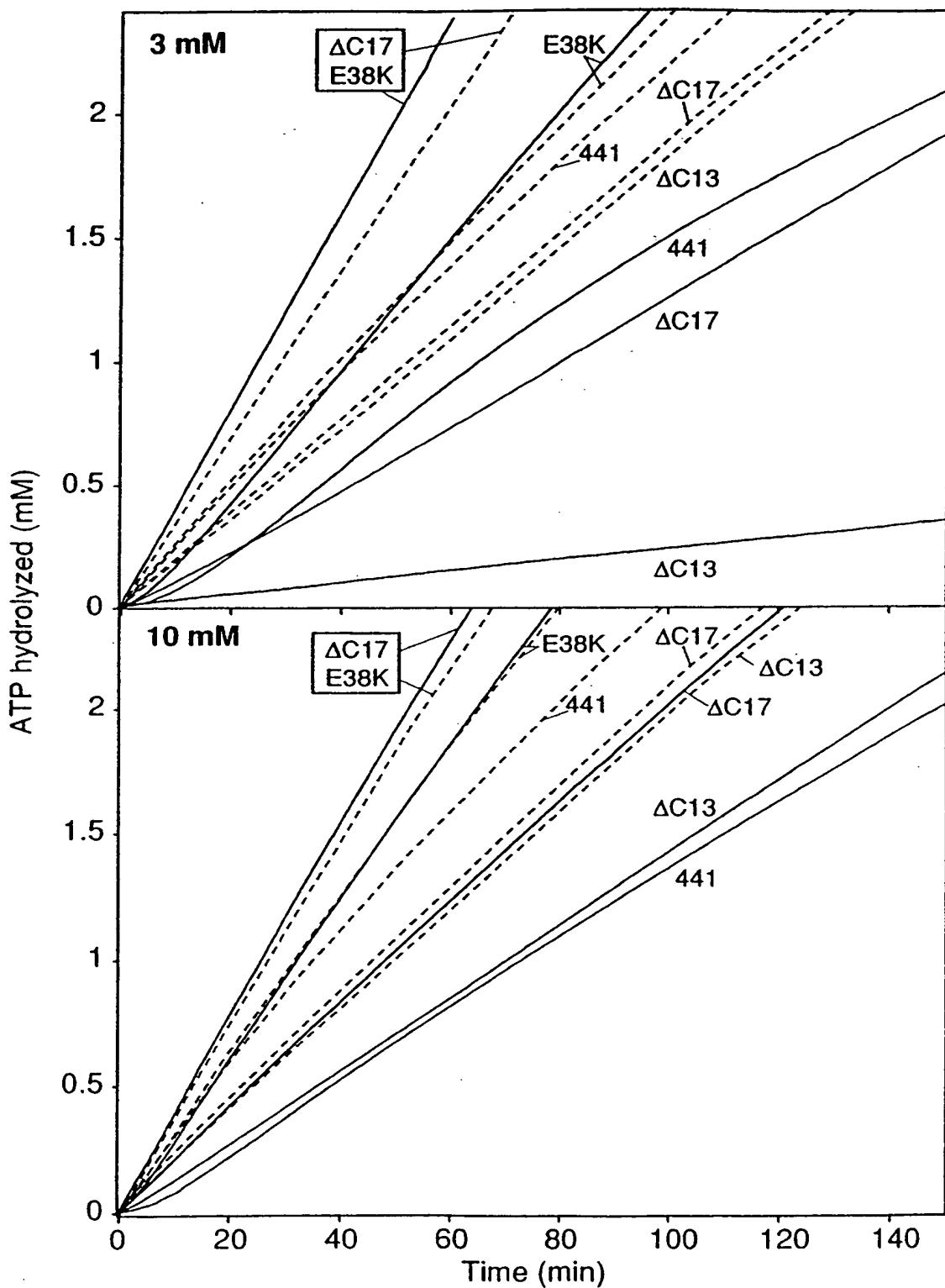


FIG 6

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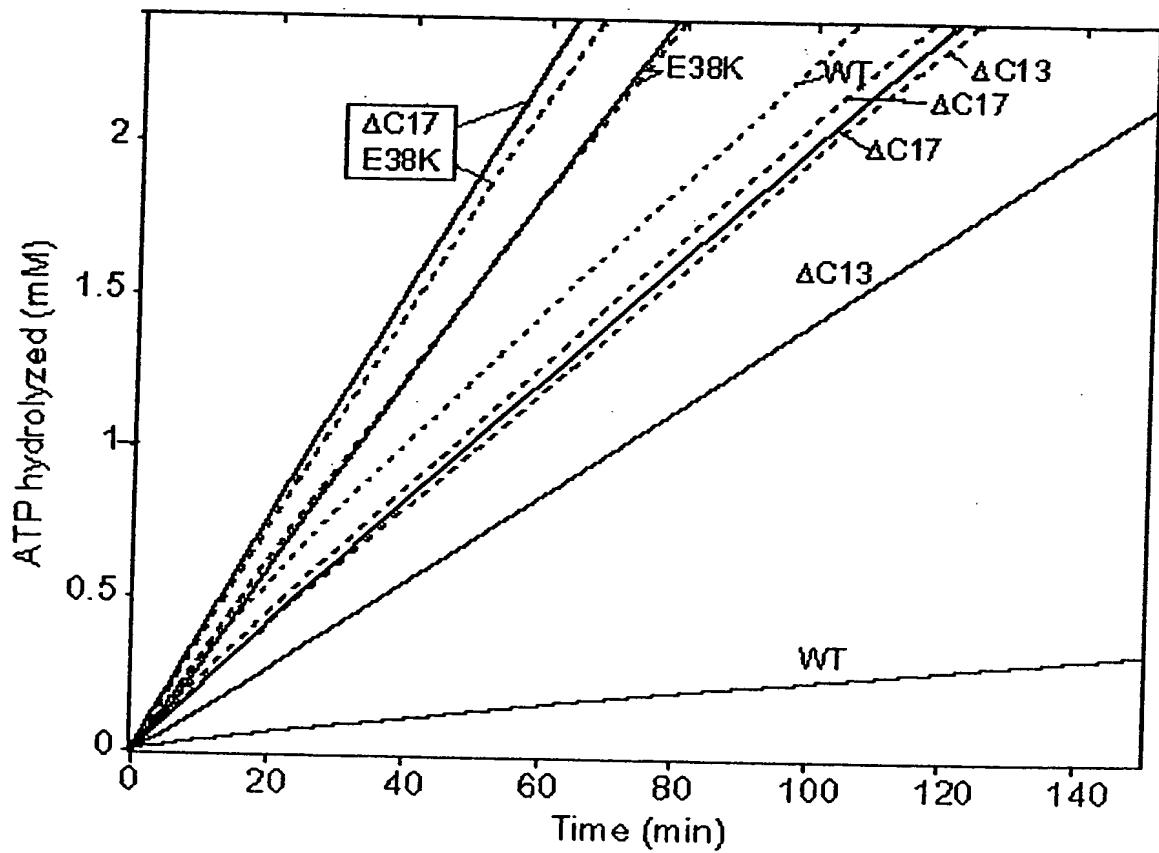


FIG 7

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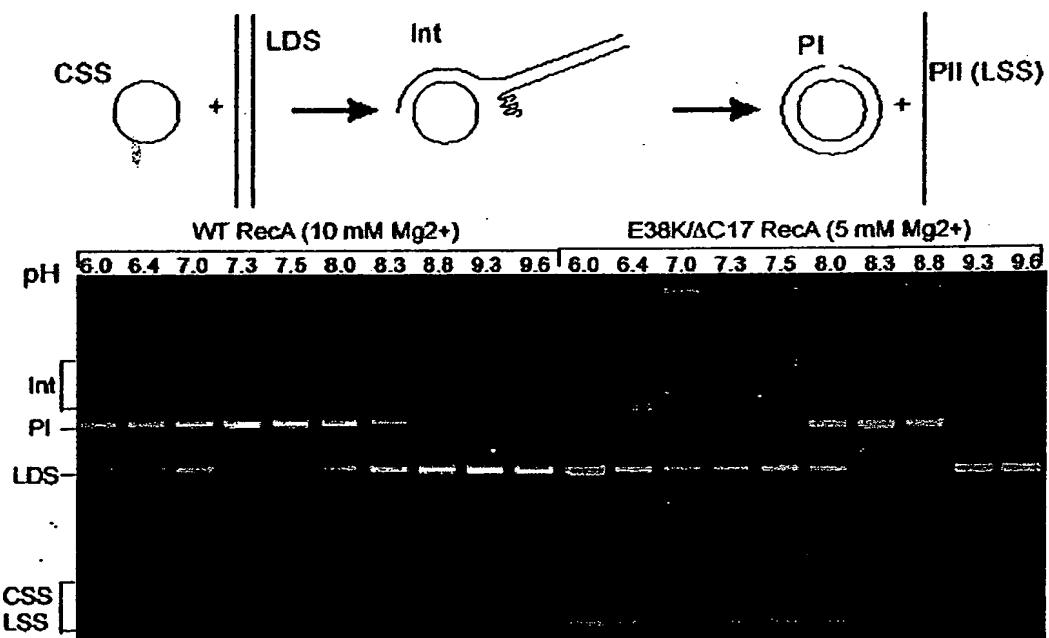


FIG 8

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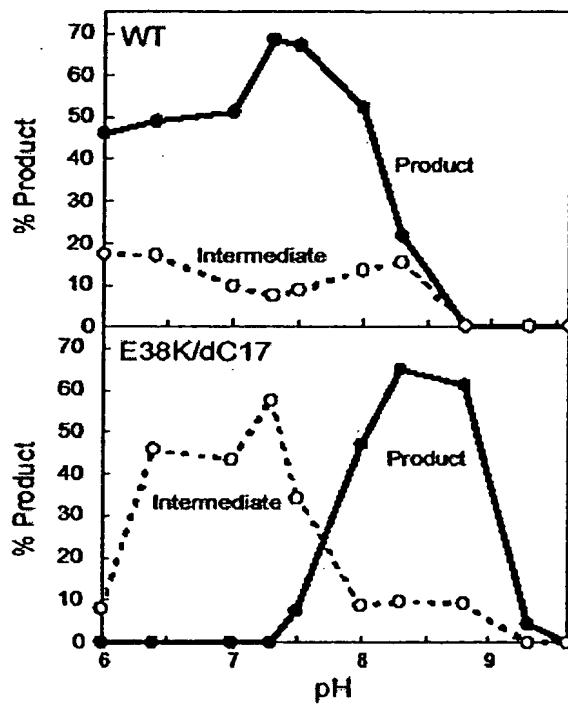


FIG 9

Title: RecA MUTANTS
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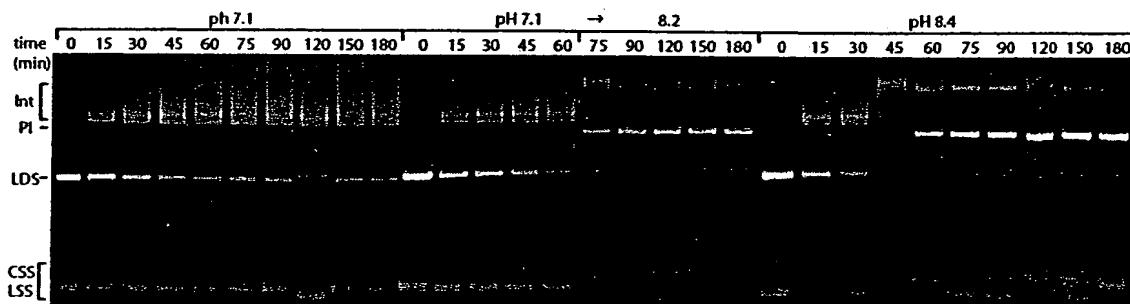


FIG 10

Title: RecA MUTANTS
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AIDENKQKA LAAALGQIEK QFGKGSIMRL GEDRSMDVET ISTGSLSLDI
ALGAGGLPMG RIVEIYGPES SGKTTLTLQV IAAAQREGKT CAFIDAEHAL
DPIYARKLGV DIDNLLCSQP DTGEQALEIC DALARSGAVD VIVVDSVAAL
TPKAEIEGEI GDSHMGLAAR MMSQAMRKLA GNLKQSNTLL IFINQIRMKI
GVMFGNPETT TGGNALKFYA SVRLDIRRIG AVKEGENVVG SETRVKVVKN
KIAAPFKQAE FQILYGEGIN FYGELVDLGV KEKLIEKAGA WYSYKGEKIG
QGKANATAWL KDNPETAKEI EKKVRELLLS NPNSTP SEQ ID NO:1

FIG 11

Title: RecA MUTANTS
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1 ATGGCTATCG ACGAAAACAA ACAGAAAGCG TTGGCGGCAG CACTGGGCCA
51 GATTGAGAAA CAATTGGTA AAGGCTCCAT CATGCGCCTG GGTGAAGACC
101 GTTCAATGGA TGTGGAAACC ATCTCTACCG GTTCGCTTTC ACTGGATATC
151 GCGCTTGGGG CAGGTGGTCT GCCGATGGGC CGTATCGTCG AGATCTACGG
201 ACCGGAATCT TCCGGTAAAAA CCACGCTGAC GCTGCAGGTG ATCGCCGCAG
251 CGCAGCGTGA AGGTAAAACC TGTGCGTTA TCGATGCTGA ACACGCGCTG
301 GACCCAATCT ACGCACGTAA ACTGGCGTC GATATCGACA ACCTGCTGTG
351 CTCCCAGCCG GACACCGGCG AGCAGGCACT GGAAATCTGT GACGCCCTGG
401 CGCGTTCTGG CGCAGTAGAC GTTATCGTCG TTGACTCCGT GGCGGCACTG
451 ACGCCGAAAG CGGAAATCGA AGGCGAAATC GGCGACTCTC ACATGGGCCT
501 TGCGGCACGT ATGATGAGCC AGGCGATGCG TAAGCTGGCG GTAAACCTGA
551 AGCAGTCCAA CACGCTGCTG ATCTTCATCA ACCAGATCCG TATGAAAATT
601 GGTGTGATGT TCGGTAACCC GGAAACCACT ACCGGTGGTA ACGCGCTGAA
651 ATTCTACGCC TCTGTTCGTC TCGACATCCG TCGTATCGGC GCGGTGAAAG
701 AGGGCGAAAAA CGTGGTGGGT AGCGAAACCC GCGTGAAAGT GGTGAAGAAC
751 AAAATCGCTG CGCCGTTAA ACAGGCTGAA TTCCAGATCC TCTACGGCGA
801 AGGTATCAAC TTCTACGGCG AACTGGTTGA CCTGGCGTA AAAGAGAACG
851 TGATCGAGAA AGCAGGCGCG TGGTACAGCT ACAAAAGGTGA GAAGATCGGT
901 CAGGGTAAAG CGAATGCGAC TGCCTGGCTG AAAGATAACC CGGAAACCGC
951 GAAAGAGATC GAGAAGAAAG TACGTGAGTT GCTGCTGAGC AACCCGAAC
1001 CAACGCCGTA A SEQ ID NO:2

FIG 12

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AIDENKQKA LAAALGQIEK QFGKGSIMRL GEDRSMDVKT ISTGSLSLDI
ALGAGGLPMG RIVEIYGPES SGKTTLTLQV IAAAQREGKT CAFIDAEHAL
DPIYARKLGV DIDNLLCSQP DTGEQALEIC DALARSGAVD VIVVDSVAAL
TPKAEIEGEI GDSHMGLAAR MMSQAMRKLA GNLKQSNTLL IFINQIRMKI
GVMFGNPETT TGGNALKFYA SVRLDIRRIG AVKEGENVVG SETRVKVVKN
KIAAPFKQAE FQILYGEGIN FYGELVDLGV KEKLIKAGA WYSYKGEKIG
QGKANATAWL KDNPETAKEI EKKVRELLLS NPNSTP* SEQ ID NO:3

FIG 13

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1 ATGGCTATCG ACGAAAACAA ACAGAAAGCG TTGGCGGCAG CACTGGGCCA
51 GATTGAGAAA CAATTTGGTA AAGGCTCCAT CATGCGCCTG GGTGAAGACC
101 GTTCCATGGA TGTGAAAACC ATCTCTACCG GTTCGCTTTC ACTGGATATC
151 GCGCTTGGGG CAGGTGGTCT GCCGATGGC CGTATCGTCG AGATCTACGG
201 ACCGGAATCT TCCGGTAAAA CCACGCTGAC GCTGCAGGTG ATCGCCGCAG
251 CGCAGCGTGA AGGTAAAACC TGTGCCTTA TCGATGCTGA ACACGCGCTG
301 GACCCAATCT ACGCACGTA ACTGGCGTC GATATCGACA ACCTGCTGTG
351 CTCCCAGCCG GACACCGGCG AGCAGGCACT GGAAATCTGT GACGCCCTGG
401 CGCGTTCTGG CGCAGTAGAC GTTATCGTCG TTGACTCCGT GGCGGCACTG
451 ACGCCGAAAG CGGAAATCGA AGGCGAAATC GGCGACTCTC ACATGGCCT
501 TGCGGCACGT ATGATGAGCC AGGCGATGCG TAAGCTGGCG GGTAAACCTGA
551 AGCAGTCCAA CACGCTGCTG ATCTTCATCA ACCAGATCCG TATGAAAATT
601 GGTGTGATGT TCGGTAACCC GGAAACCACT ACCGGTGGTA ACGCGCTGAA
651 ATTCTACGCC TCTGTTCGTC TCGACATCCG TCGTATCGGC GCGGTGAAAG
701 AGGGCGAAAA CGTGGTGGGT AGCGAAACCC GCGTGAAAGT GGTGAAGAAC
751 AAAATCGCTG CGCCGTTAA ACAGGCTGAA TTCCAGATCC TCTACGGCGA
801 AGGTATCAAC TTCTACGGCG AACTGGTTGA CCTGGCGTA AAAGAGAAC
851 TGATCGAGAA AGCAGGCGCG TGGTACAGCT ACAAAAGGTGA GAAGATCGGT
901 CAGGGTAAAG CGAATGCGAC TGCCTGGCTG AAAGATAACC CGGAAACCGC
951 GAAAGAGATC GAGAAGAAAG TACGTGAGTT GCTGCTGAGC AACCCGAAC
1001 CAACGCCGTA A SEQ ID NO:4

FIG 14

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AIDENKQKA LAAALGQIEK QFGKGSIMRL GEDRSMDVET ISTGSLSLDI
ALGAGGLPMG RIVEIYGPES SGKTTLTLQV IAAAQREGKT CAFIDAEHAL
DPIYARKLGV DIDNLLCSQP DTGEQALEIC DALARSGAVD VIVVDSVAAL
TPKAEIEGEI GDSHMGLAAR MMSQAMRKLA GNLKQSNTLL IFINQIRMKI
GVMFGNPETT TGGNALKFYA SVRLDIRRIG AVKEGENVVG SETRVKVVKN
KIAAPFKQAE FQILYGEGIN FYGELVDLGV KEKLIEKAGA WYSYKGEKIG
QGKANATAWL KDNPETAKEI EKKVRELLLS NPNSTPDFSV DDSEGVAETN EDF
SEQ ID NO: 5

FIG 15